

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	655	(KOHARA.in. or YUICHI.in. or UCHIDA.in. or TAKAHIRO.in.) and (exhaust near4 gas) and (engine) and (cataly\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/05/17 12:32
S2	222	(KOHARA.in. or YUICHI.in. or UCHIDA.in. or TAKAHIRO.in.) and (exhaust near4 gas) and (engine) and (cataly\$4) and (deteriorat\$4 or degrad\$4 or malfunction)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/05/17 12:37
S3	101	(KOHARA.in. or YUICHI.in. or UCHIDA.in. or TAKAHIRO.in.) and (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/05/17 12:37

## EAST Search History

S4	61	(KOHARA.in. or YUICHI.in. or UCHIDA.in. or TAKAHIRO.in.) and (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/05/17 12:37
S5	44	(KOHARA.in. or YUICHI.in. or UCHIDA.in. or TAKAHIRO.in.) and (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/05/17 12:37
S6	27	(KOHARA.in. or YUICHI.in. or UCHIDA.in. or TAKAHIRO.in.) and (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream) and (PID or integrat\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/05/17 12:38

## EAST Search History

S7	416	( (exhaust near4 gas) and (engine) and (cataly\$4) and (deteriorat\$4 or degrad\$4 or malfunction) ).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/05/17 12:36
S8	291	((exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) )).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/05/17 12:36
S9	167	( (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4))).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/05/17 12:37
S10	152	( (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream) ).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/05/17 12:36

## EAST Search History

S11	20	( (exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream) and (PID or integrat\$4) ).CLM.	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/05/17 12:36
S12	10449	(exhaust near4 gas) and (engine) and (cataly\$4) and (deteriorat\$4 or degrad\$4 or malfunction)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/05/17 12:38
S13	3601	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/05/17 12:38
S14	1973	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/05/17 12:38

## EAST Search History

S15	1522	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/05/17 12:38
S16	676	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream) and (PID or integrat\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/05/17 12:58
S17	269	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream) and ((PID or integrat\$4) near4 (value))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/05/17 12:59
S18	259	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream and upstream) and ((PID or integrat\$4) near4 (value))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/05/17 13:03

## EAST Search History

S19	38	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream and upstream) and ((PID or integrat\$4) near4 (value)) and ((first and second and third) near4 (value))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/05/17 13:26
S20	16	(exhaust near4 gas) and (engine) and (cataly\$4) and (cataly\$4 near4 (deteriorat\$4 or degrad\$4 or malfunction) ) and ((oxygen or exhaust ) near4 (sensor or detector or prob\$4)) and (downstream and upstream) and ((PID or integrat\$4) near4 (value)) and ((first and second and third) near4 (value)) and ((PID or integrat\$4) near4 (control\$4))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/06/09 16:48

## EAST Search History

S21	44	("20020029562"   "20030021745"   "20030175192"   "5074113"   "5090199"   "5159810"   "5179924"   "5325664"   "5337558"   "5381657"   "5406789"   "5438826"   "5448886"   "5487269"   "5509267"   "5526643"   "5528898"   "5568725"   "5577382"   "5626014"   "5644912"   "5655363"   "5722236"   "5724952"   "5727385"   "5732551"   "5732552"   "5740676"   "5743084"   "5746049"   "5758491"   "5826426"   "5847271"   "6167695"   "6237330"   "6256981"   "6256983"   "6263666"   "6321530"   "6370473"   "6374596"   "6383267"   "6481201"   "6497092").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2007/06/09 16:51
S22	61	("2007/0062177"   "5966930"   "6185929"   "6539707"   "6834497"   "6839637").URPN.	USPAT	OR	ON	2007/06/09 16:50

## EAST Search History

S23	104	("20020029562"   "20030021745"   "20030175192"   "5074113"   "5090199"   "5159810"   "5179924"   "5325664"   "5337558"   "5381657"   "5406789"   "5438826"   "5448886"   "5487269"   "5509267"   "5526643"   "5528898"   "5568725"   "5577382"   "5626014"   "5644912"   "5655363"   "5722236"   "5724952"   "5727385"   "5732551"   "5732552"   "5740676"   "5743084"   "5746049"   "5758491"   "5826426"   "5847271"   "6167695"   "6237330"   "6256981"   "6256983"   "6263666"   "6321530"   "6370473"   "6374596"   "6383267"   "6481201"   "6497092").PN. OR ("2007/0062177"   "5966930"   "6185929"   "6539707"   "6834497"   "6839637").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2007/06/09 16:50
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## EAST Search History

S24	21	((("20020029562"   "20030021745"   "20030175192"   "5074113"   "5090199"   "5159810"   "5179924"   "5325664"   "5337558"   "5381657"   "5406789"   "5438826"   "5448886"   "5487269"   "5509267"   "5526643"   "5528898"   "5568725"   "5577382"   "5626014"   "5644912"   "5655363"   "5722236"   "5724952"   "5727385"   "5732551"   "5732552"   "5740676"   "5743084"   "5746049"   "5758491"   "5826426"   "5847271"   "6167695"   "6237330"   "6256981"   "6256983"   "6263666"   "6321530"   "6370473"   "6374596"   "6383267"   "6481201"   "6497092").PN. OR (("2007/0062177"   "5966930"   "6185929"   "6539707"   "6834497"   "6839637").URPN.) and ((PID or integrat\$4) near4 (value))	US-PGPU B; USPAT; USOCR	OR	ON	2007/06/09 16:50
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